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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO		
09/651,889	08/30/2000	Ritsuko Kawasaki	0756-2205	2171		
22204	7590 09/28/2004		EXAM	EXAMINER		
NIXON PEABODY, LLP			FARAHAN	FARAHANI, DANA		
401 9TH STR SUITE 900	EET, NW	ART UNIT	PAPER NUMBER			
	ON, DC 20004-2128		2814			
			DATE MAILED: 09/28/200	4		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	n No.	Applicant(s)				
Office Action Summary		09/651,88		KAWASAKI ET A	L.			
		Examiner		Art Unit				
		Dana Fara	ahani	2814				
Period fo	The MAILING DATE of this communicator Reply	tion appears on the	cover sheet with	n the correspondence ac	Idress			
THE - External control	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA nsions of time may be available under the provisions of 3 SIX (6) MONTHS from the mailing date of this communicate period for reply specified above is less than thirty (30) do period for reply is specified above, the maximum statuto are to reply within the set or extended period for reply will, reply received by the Office later than three months after red patent term adjustment. See 37 CFR 1.704(b).	ATION. 7 CFR 1.136(a). In no ever cation. ays, a reply within the statury period will apply and will by statute, cause the appl	ent, however, may a rep entory minimum of thirty Il expire SIX (6) MONTI ication to become ABA	oly be timely filed (30) days will be considered time HS from the mailing date of this of NDONED (35 U.S.C. § 133).				
Status								
1)⊠	Responsive to communication(s) filed of	on <u>12 July 2004</u> .						
2a) <u></u> □	This action is FINAL . 2b)	☑ This action is n	on-final.					
3) 🗌	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5)□ 6)⊠	Claim(s) 1-3,10-17 and 19-24 is/are pe 4a) Of the above claim(s) is/are ve Claim(s) is/are allowed. Claim(s) 1-3,10-17 and 19-24 is/are rej Claim(s) is/are objected to. Claim(s) are subject to restriction	withdrawn from cor	nsideration.					
Applicat	ion Papers							
9)	The specification is objected to by the E	xaminer.						
10)	The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
	Applicant may not request that any objection							
11)	Replacement drawing sheet(s) including the The oath or declaration is objected to by							
Priority	under 35 U.S.C. § 119							
a)	Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority documents. 2. Certified copies of the priority documents. 3. Copies of the certified copies of the application from the International See the attached detailed Office action for	cuments have bee cuments have bee the priority docume Bureau (PCT Rule	n received. n received in Ap ents have been r e 17.2(a)).	pplication No received in this National	l Stage			
Attachmer	nt(s)							
	ce of References Cited (PTO-892)			immary (PTO-413)				
3) Infor	ce of Draftsperson's Patent Drawing Review (PTO- mation Disclosure Statement(s) (PTO-1449 or PTO- er No(s)/Mail Date			/Mail Date formal Patent Application (PT _·	O-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1, 2, 11-16, and 21-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Mano et al., hereinafter Mano (US Patent 6,294,796).

Mano discloses in figure 6e a TFT with a channel region 302a over a substrate; wherein a portion of the channel region is concave shaped, the channel width direction being parallel to a plane (the plane that passes vertically through the substrate) of the substrate.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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4. Claims 2, 3, 19, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mano as applied to claim 1 above, and further in view of the Japanese patent [4]04152676A.

Mano substantially discloses the claimed invention, as discussed above, except for zero or one grain boundary in the channel forming region.

The Japanese patent discloses in the abstract that the grain boundary in the channel region of a transistor is limited to one. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to limit the grain boundary of the channel region to one or zero in order to control the device characteristics of the transistor.

5. Claims 10 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over the Japanese patent '676, as applied to claims 1-3 above, and further in view of the Japanese patent 2001028338.

The Japanese patent '676 does not disclose the thin film transistor is incorporated in to electronic devices such as camera. The Japanese patent '338 discloses thin film transistor used in digital camera and personal computer (see the second paragraph below the abstract). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to use the thin film transistor in the devices such as cameras so those devices have electronic components with improved characteristics.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dana Farahani whose telephone number is (571)272-1706. The examiner can normally be reached on M-F 9:00AM - 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael M Fahmy can be reached on (703)308-4918. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

D. Farahani

LONG PHAM PRIZARY EXAMINER